



MEMORANDUM

TO: Todd Dumais, Town Planner

FROM: Duane J. Martin, P.E., Town Engineer
Julie A. Viera, P.E., Civil Engineer *QJN*

RE: 243 Steel Road – Proposed Building 7
IWW 908-R2-17
SDD #139-R1-17

DATE: January 10, 2018

The Engineering Division reviewed the 243 Steele Road – Proposed Building 7 Plan Set, Engineering Report Addendum and Traffic Impact Statement and offer the following comments:

Engineering Report Addendum

1. The existing conditions should be the current conditions, which were the proposed conditions reflected in the Engineering Report dated April 11, 2014 revised June 17, 2014. In comparing those proposed calculations (as the existing conditions) to the proposed calculations for Building 7, the Peak Runoff Rate is greater than existing conditions for the 2, 25 and 100 year storm. Please revise.
2. Please provide a drainage area map for the storm pipe system.
3. The Hydraflow Storm Sewer Plan (Schematic) shows AD8 going into CLCB2, where the plans show AD8 connected into MH3. Please verify.
4. Please verify the top of frame elevations on the storm sewer tabulation. A number of them do not match the plans. Also, try to get 1 foot of freeboard in the storm sewer system.
5. On the Pond Report for Pond No. 1 – PR DET 110, Weir Structures B and C are shown on the detail (Sheet SD) as 5ft and 1.75ft instead of 3.25ft and 0.5ft as shown in the report. Please verify. Also for weir structure A, please provide dimensions on the detail for all the sides.
6. Please include the Hydrograph Reports.

PLAN SET



Sheet TITLE

7. There is a note under storm drainage operation and maintenance about a hydrodynamic separator, is there one proposed for this project? If so, please locate on plans.

Sheet LA

8. On the parking areas with no curbing, what are the timber posts for and will they interfere with the underdrain.

Sheet GU

9. Wouldn't it be easier to connect YD 10 to the closer structure? It is hard to read the inverts on that structure, but isn't that structure downstream of the CB and downstream continues to the west?
10. In the same general area, where does the 117 contour go?
11. Where AD 9 connects to a CB, the 118 contour does not look like it is tied into another contour.
12. What is the line going into the south side of MH 5?
13. What is the line that runs from the property line near the northeast corner of the proposed building to the property line where the 130 contour is?

Sheet SD

14. On the Outlet Control Structure, please provide the dimensions for the overflow weir that is called out on all four sides of the structure.
15. On the Riprap Filter Berm detail, what is the numerical dimension for H?